

In the Specification:

Please amend the specification as shown:

Please delete paragraph [0001] and replace it with the following paragraph:

[0001] This application claims priority to U.S. Provisional Application No. as 60/339,466, filed February 27, 2003, U.S. Application Serial No. 09/989,497, filed November 21, 2001, which is a continuation-in-part of U.S. Application Serial No. 09/984,292, filed October 29, 2001, which claims priority to U.S. Provisional Application No. 60/243,770, filed on October 30, 2000, and all of these applications are incorporated herein by reference in their entirety.

Please delete paragraph [0090] and replace it with the following paragraph:

[0090] In this example, the details of how the Ga15 chimeras were made are presented. Ga₁₅ chimeras were generated by PCR with mutagenic 3' primers. The sequence of the parental Ga15clone (SEQ ID NO:1; amino acid sequence is SEQ ID NO:2) corresponds to databank sequences (e.g., accession B0005439) except for a silent single nucleotide polymorphism. The last six codons of GOC15 and the sequences they were replaced with are shown below (SEQ ID NOS:3-12). The Ga15 chimeras were generated with 5' Ascl sites (GGCGCGCCGCC (SEQ ID NO: 13) joined to the start ATG) and 3' NotI sites (GCGGCCGC joined to the stop TGA) and cloned as Ascl-NotI fragments in the Ascl-NotI polylinker sites of the pEAK10 expression vector (Edge Biosystems).

Ga15 nucleotide sequence (SEQ ID NO:1)

atggccccggtccctgacttggggctgctgtccctgggtgcctgacagaggaggagaagactgccgccagaa
tcgaccaggagatcaacaggattttgttggaacagaaaaacaagagcgcgaggaattgaaactcctgct
gttggggcctgggtgagagcgggaagagtacgttcatcaagcagatgcgcatcattcacgggtgtgggctac
tcggaggaggaccgcagagccttccggctgctcatctaccagaacatcttcgtctccatgcaggccatga
tagatgcgatggaccggctgcagatcccccttcagcaggcctgacagcaagcagcagccagcctagtgat
gaccaggaccctataaagtgcacatttcgagaagccatatgcagtggccatgcagtagctgtggcgg
gacgcgggcatccgtgcatgctacgagcgaaggcgtgaattccaccttctggactccgcggtgtattacc
tgtcacacctggagcgcataatcagaggacagctacatccccactgcgcaagacgtgctgcgcagtcgcat

gcccaccacagggcatcaatgagtactgcttctccgtgaagaaaaccaaactgcgcacatcgtggatgttggt
ggccagaggtcagagcgtaggaaatggattcactgttttgagaacgtgattgccctcatctacctggcct
ccctgagcagtatgaccagtgcctagaggagaacgatcaggagaaccgcacatggaggagagtctcgctct
gttcagcacgatcctagagctgccctgggttcaagagcacctcgggtcatcctcttctcctcaacaagacggac
atcctggaagataagattcacacctccacactggccacatacttccccagcttccagggacccccggcgag
acgcagagggccgccaagagcttcatcttggacatgtatgcgcgcgtgtacgcgagctgcgcagagcccca
ggacgggtggcaggaaggctcccgcgcgcgcgcgttcttcgcacacttcacctgtgccacggacacgcaa
agcgtccgcagcgtgttcaaggacgtgcgggactcgggtgctggcccggtacctggacgagatcaacctgc
tgtga

Ga₁₅. amino acid sequence (SEQ ID NO:2)

MARSLTWGCCPWCLTEEEKTAARIDQEINRILLEQKKQEREELKLLLLGPGESGKSTFIKQMRIIHGV
GYSEEDRRAFRLLIYQNI FVSMQAMIDAMDRLQIPFSRPDSKQHASLVMTQDPYKVSTFEKPYAVAMQ
YLWRDAGIRACYERRREFHLLDSAVYYLSHLERISED SYIPTAQDVLRSRMPPTGINEYCF SVKKT KL
RIVDVGGQSRERRKWIHCFENVIALIYLASLSEYDQCLEENDQENRMEESLALFSTILELPWFKSTSV
ILFLNKTDILEDKIHTSHLATYFPSFQGPRRDAAEAAKS FILD MYARVYASCAEPQDGGRKGSRRARFF
AHFTCATDTQSVRSVFKDVRDSVLARYLDEINLL

G_a tails (SEQ IDS NOS: 3-12)

GAGATCAACCTGCTGTGA	G _{a15}	(SEQ ID NO: 3)
GACTGTGGCCTCTTCTGA	G _{ai1}	(SEQ ID NO: 4)
GAGTACAATCTGGTCTGA	G _{aq}	(SEQ ID NO: 5)
CAGTATGAGCTCTTGTGA	G _{as}	(SEQ ID NO: 6)
GAGTGCGGCCTCTACTGA	G _{ai3}	(SEQ ID NO: 7)
GGATGCGGACTCTACTGA	G _{ao}	(SEQ ID NO: 8)
TACATCGGCCTCTGCTGA	G _{az}	(SEQ ID NO: 9)
GACATCATGCTCCAATGA	G _{ai2}	(SEQ ID NO: 10)
CAACTAATGCTCCAATGA	G _{a13}	(SEQ ID NO: 11)
CACCAGGTTGAACTCTGA	G _{a14}	(SEQ ID NO: 12)